



Introduction to FarmWare v. 3



What is FarmWare?

- Screening level decision support tool (dairy and swine)
- Economic feasibility
 - Costs
 - Energy savings
- Environmental performance (air and water releases)



New Features in FarmWare v.3

- Parallel analysis of the baseline system vs. biogas system
- Revised mass balance methodology for estimating methane generation
- Updated costs based on applications for Farm Bill funding
- Comprehensive energy benefits
 - Electricity, fuel oil, propane, and cogeneration
 - Uses actual farm energy consumption rather than RateVision software



New Features in FarmWare v.3 (Cont.)

- Environmental Performance Report
 - Methane emissions
 - Hydrogen sulfide emission reduction
 - Odor control
 - Ammonia and nitrogen effluent reduction
 - COD reductions
 - Pathogen reductions



QA Process

- Peer review
- Results tested against actual farm data



For More Information

- AgSTAR Handbook
- FarmWare User's Guide - Appendix C of the AgSTAR Handbook
- FarmWare v.3 - www.epa.gov/agstar/resources